



Clear Picture

PURE | AV™
by Belkin



Clean Sound

Home Theater Battery Backup with AVR Technology

User Manual



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Introduction

Congratulations and thank you for purchasing the PureAV Home Theater Battery Backup with AVR Technology (the PureAV Battery Backup). Frequent electrical disturbances, both natural and man-made, degrade the quality of power supplied to your home theater system. Brownouts or blackouts can cause you to lose your complex settings, and ultimately damage your valuable equipment along with the overall quality of your home theater experience. In addition to providing battery power in case of a blackout, our PureAV Battery Backup provides outstanding surge protection and power conditioning while ensuring that you experience the clearest picture and cleanest sound directly from the source.

Please save this manual!

It contains important operating instructions and warranty information pertaining to your PureAV Battery Backup.

Please save or recycle the packaging materials

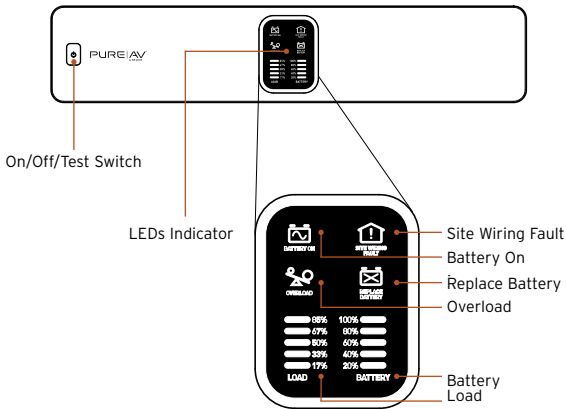
The PureAV Battery Backup packaging was designed with great care to provide protection during shipment and delivery. Please keep the packaging materials in the unlikely event that you must return this product for service. Damage sustained during transit is not covered under the warranty.

Package Contents

You should have received the following:

- 1 PureAV Battery Backup unit
- 2 rackmount Brackets
- 1 Network Line Cable
- 1 Phone Line Cable
- 1 Coaxial Cable

PureAV Battery Backup Features and Functions



Indicator	Condition	Meaning
BATTERY ON (Green LED)	○ Solid Green	The PureAV Battery Backup is on battery back-up mode and an Intermittent audible alarm is on. The Battery Backup will begin shutdown procedure.
	⚙️ Flashing Green	Battery is low. The PureAV Battery Backup will start shutdown. The buzzer sounds an audible alarm.
OVERLOAD (Yellow LED)	○ Solid Yellow	The PureAV Battery Backup shutdown due to an overload or short-circuit condition.
	⚙️ Flashing Yellow	Battery output is drawing more power than the Battery Backup can provide.
REPLACE BATTERY (Red LED)	○ Solid Red	Battery is weak or bad; the battery needs to be replaced.
SITE WIRING FAULT (Red LED)	○ Solid Red	There is either no ground circuit or a reversed polarity in the building wiring.
LOAD (Yellow LED)	○ Solid Yellow	This display shows the PureAV Battery Backup output load percentage level of 17%, 33%, 50%, 67%, and 85%.
BATTERY (Green LED)	○ Solid Green	This display shows the battery capacity percentage level of 20%, 40%, 60%, 80%, and 100%.

Alarms

Battery Backup (Slow Alarm)

When the PureAV Battery Backup is in battery-backup mode, the “Battery On” LED (green) illuminates and the PureAV Battery Backup sounds an audible alarm. The alarm stops when the PureAV Battery Backup returns to normal online operation.

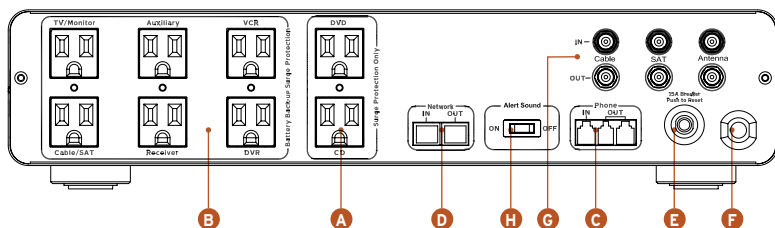
Low Battery (Rapid Alarm)

When the PureAV Battery Backup is in battery-backup mode and the battery's energy begins to run low, the PureAV Battery Backup will beep rapidly until it shuts down from a depleted battery or returns to online normal operation.

Overload (Continuous alarm)

When the PureAV Battery Backup is overloaded (the connected loads exceed the maximum rated capacity), the PureAV Battery Backup emits a continuous alarm to warn of an overload condition. Disconnect nonessential equipment from the PureAV Battery Backup to eliminate the overload.

Product Features



Rear Panel

A. Surge-Protection-Only Outlets

Equipment such as printers, fax machines, scanners, or desk lamps can be plugged into these outlets. These outlets do not provide power during a power outage. These outlets are always on (when AC power is available) and are not controlled by the front-panel switch.

B. Battery-Backup Surge-Protection Outlets

Only critical equipment such as TVs, DVRs, cable/satellite receivers, VCRs, and other hardware that could potentially lose settings should be plugged into these outlets. Battery power is automatically provided in case of a power outage. Power (AC or battery) is not supplied to these outlets when the PureAV Battery Backup is switched off. (Do not plug surge protectors or power strips into the battery backup outlets).

Note! During the AVR Mode, the total load that you will be placing on the battery-backup outlets should not exceed 85% of the unit's capacity.

C. Phone Protection

The phone lines are surge protected and provide complete safety for telephone/Pay-Per-View lines.

D. Network Protection

This connector is used for surge protecting networking lines used for media streamers, multimedia computers, gaming consoles, or any other device in need of a network connection.

E. AC Input Breaker (Circuit Breaker)

The circuit breaker button will be triggered if an overload condition forces the PureAV Battery Backup to disconnect itself from utility power. If the button sticks out, disconnect nonessential equipment and depress breaker to reset.

F. AC Input Power Cord

G. Audio Video Surge Protection Ports

H. Alert Sound ON/OFF Switch

This switch turns the audible alarm ON or OFF.

Installation

Note!

Before installation, please inspect the PureAV Battery Backup upon receipt to make sure it is not damaged.

Connect To AC Utility Power

Connect the AC inlet to utility power via the power cord. Check whether the "Site Wiring Fault" indicator is lit or not. If so, please check the utility wiring.

Charging The Battery

For best results, charge the battery for eight hours prior to initial use. The PureAV Battery Backup charges its battery whenever it is connected to the utility power.

Plug In Power Devices

Plug your devices into the AC outlets on the rear of the PureAV Battery Backup. To use the PureAV Battery Backup as a master on/off switch, make sure all of the loads are switched on.

Caution: Never connect a laser printer or scanner to the battery backup outlets of the PureAV Battery Backup. A laser printer or scanner draws significantly more power when in use than when idle. This may overload the PureAV Battery Backup.

Turning On The PureAV Battery Backup

Turn on your PureAV Battery Backup by pressing and holding the "On/Off/Test" button for approximately two seconds until the green "ON LINE" light comes on.

Turning Off The PureAV Battery Backup

Turn off the PureAV Battery Backup by pressing and holding the "On/Off/Test" button for more than two seconds until the "ON LINE" or "ON BATTERY" light goes off.

To Conduct a Self-test

Use the self-test to verify both the operation of the PureAV Battery Backup and the condition of the battery. In normal utility power, push the "On/Off/Test" button less than 1.5 seconds and the PureAV Battery Backup performs a self-test function. During the self-test, the PureAV Battery Backup operates in backup mode.

Note! During the self-test, the PureAV Battery Backup briefly operates on battery-backup power (the "ON BATTERY" LED comes on). If the PureAV Battery Backup passes the self-test, it returns to online operation. If the PureAV Battery Backup fails the self-test, it immediately returns to online operation and lights the "REPLACE BATTERY" LED. The loads are not affected. Recharge the battery overnight and perform the self-test again. If the "REPLACE BATTERY" LED is still on, the battery will need to be replaced. Please contact Belkin Customer Service for assistance.

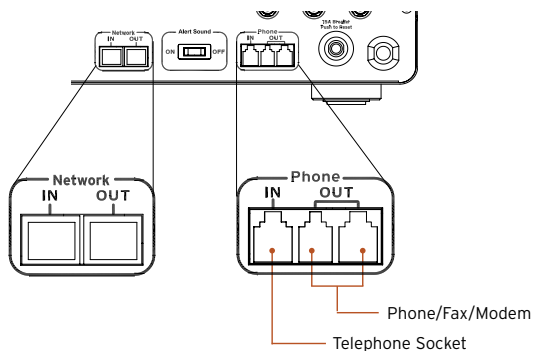
Installation

To Silence Audible Alarm

There are two ways to disable the audible alarm:

1. Set the Alert Sound ON/OFF Switch to the OFF position. When in the OFF position, the audible alarm will not sound when the PureAV Battery Backup is in the backup mode.
2. While in battery-backup mode, push the "ON/OFF/TEST" button less than 1.5 seconds to silence the audible alarm. (This does not work if the PureAV Battery Backup is under low-battery or overload condition.)

All equipment must be turned off prior to hardware installation.



Connect The Phone/Fax/Modem/Lines

Connect a single phone/fax/modem line into the surge-protected sockets on the back of the PureAV Battery Backup. The RJ11 modular sockets accept standard single-line telephone connections. The connection will require another length of telephone cable, which is supplied.

Note! This connection is optional but highly suggested as phone/fax/modem lines often carry dangerous surges and spikes. The PureAV Battery Backup works properly without a phone/fax/modem connection.

Caution! The phone/fax/modem protection feature could be rendered inoperable if improperly installed. Make sure that the telephone line from the wall is plugged into the connector marked "IN", and the device to be protected is plugged into the connector marked "OUT".

Connect The Network Line

Connect the network line from the wall to the connector marked "IN", then connect the device (Ethernet card) to be protected to the connector marked "OUT".

Connect Audio Video Coaxial Cable

Connect a modular coaxial cable between the cable wall outlet and the surge protector jack marked "IN". Connect another coaxial cable between the surge protector jack marked "OUT" and the cable equipment or cable modem being protected.

*All equipment must be turned off prior to hardware installation.

Troubleshooting

Problem	Possible Cause	Solution
PureAV Battery Backup not on, LED not lit	On/Off/Test button not pushed or pushed less than 2 seconds	Press the On/Off/Test button for more than 2 seconds
	Battery voltage is too low	Recharge the Battery Backup at least 8 hours
	Battery Backup fault	Contact Belkin Customer Service
PureAV Battery Backup always on battery mode	Power cord loose	Re-plug the power cord
	AC breaker is burned out or tripped	Replace or reset the breaker
	AC utility voltage is too high or too low, or there is a blackout	Normal condition
Backup time too short	Battery not fully charged	Recharge the Battery Backup at least 8 hours
	Battery Backup is overloaded	Remove some unnecessary loads
	Charger fault or other reason	Replace battery. Contact Belkin Customer Service or go to belkin.com.
The PureAV Battery Backup continuously beeps	Overload	Remove the non-critical loads
Red LED lit	Battery failure	Replace battery. Contact Belkin Customer Service or go to belkin.com.

Technical Specifications

Model		AP30800-10
INPUT	Capacity	1200VA/640W
	Voltage Range	90-136VAC
	Frequency	60Hz (±3Hz)
OUTPUT	Voltage	Simulated sine wave, 120VAC ±8%
	Frequency (On Battery)	60Hz (±1Hz)
BATTERY	Backup time 15%-100% load	1.5~40 min.
	Typical Recharge Time	≤ 12 hours recover 85% capacity
ENVIRONMENT	Ambient Operation	0~85% humidity non-condensing, 0~35°C
CONFORMANCE	Surge	IEEE C62.41 Category A standard
PHYSICAL	Dimension (W x H x D)	435mm x 88mm x 330mm
	Net Weight	14.5kg.

All specifications are subject to change without prior notice.

Storage

Storage Conditions

Store the PureAV Battery Backup covered and upright in a cool, dry location with its battery fully charged. Before storing, charge the PureAV Battery Backup for at least four hours.

Extended Storage

During extended storage in environments where the ambient temperature is +5 degrees to +86 degrees F, charge the PureAV Battery Backup's battery every six months. During extended storage in environments where the ambient temperature is +86 degrees F to +113 degrees F, charge the PureAV Battery Backup's battery every three months.

Belkin Connected Equipment Warranty

Belkin Corporation warrants to the original purchaser of any PureAV Battery Backup for three years from the date of purchase, that the PureAV Battery Backup shall be free of defects in design, assembly, material, or workmanship, and will repair or replace, at its option, any defective product free of charge.

Belkin Corporation will repair or replace, at its option, any equipment which is damaged by a transient voltage surge/spike or lightning strike, (an "Occurrence"), while properly connected through a PureAV Battery Backup to a properly wired AC power line with protective ground. If you are using an AC PureAV Battery Backup that has phone, network, or coaxial protection, the telephone line, network line, and coaxial-cable line must be properly connected and installed, as determined by Belkin at its sole discretion.

This Connected Equipment Warranty is a Limited Warranty, subject to the limitations and exclusions set forth herein.

Belkin Corporation will spend, to repair or replace the damaged connected equipment, at Belkin's option, an amount equal to the fair market value of the damaged equipment or the original purchase price of the equipment, whichever is less, up to the maximum amount set forth below:

Model AP30800-10

Up to a maximum of \$500,000.00

The fair market value of the equipment shall be the current value of the equipment specified in the most recent edition of the Orion Blue Book by Orion Research Corporation, Roger Rohrs Publisher.

Belkin Corporation reserves the right to review the damaged PureAV Battery Backup, the damaged equipment, and the site where the damage occurred. All costs of shipping the PureAV Battery Backup and the damaged equipment to Belkin Corporation for inspection shall be borne solely by the purchaser. Belkin reserves the right to negotiate the cost of repairs. If Belkin determines, in its sole discretion, that it is impractical to ship the damaged equipment to Belkin Corporation, Belkin may designate, in its sole discretion, an equipment repair facility to inspect and estimate the cost to repair such equipment. The cost, if any, of shipping the equipment to and from such repair facility and of such estimate shall be borne solely by the purchaser. Damaged equipment must remain available for inspection until the claim is finalized. Whenever claims are settled,

Belkin Connected Equipment Warranty

Belkin Corporation reserves the right to be subrogated under any existing insurance policies the claimant may have.

All above warranties are null and void if: the PureAV Battery Backup in use during the occurrence is not provided to Belkin Corporation for inspection upon Belkin's request at the sole expense of the purchaser, Belkin Corporation determines that the PureAV Battery Backup has been improperly installed, altered in any way or tampered with, Belkin Corporation determines that the damage did not result from the Occurrence or that no Occurrence in fact took place, the repair or replacement of the damaged equipment is covered under a manufacturer's warranty, or Belkin Corporation determines that the connected equipment was not used under normal operating conditions or in accordance with any labels or instructions. All PureAV Battery Backups must be plugged directly into the power source and must not be "daisy-chained" together in serial fashion with other power strips, UPSes, other surge protectors or extension cords. A 3-2-prong adapter may not be used. Any such installation voids the warranty. The Belkin Connected Equipment Warranty only protects against damage to properly connected equipment where Belkin Corporation has determined, in its sole discretion, that the damage resulted from an Occurrence, and does not protect against acts of God (other than lightning) such as flood, earthquake, war, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low voltage disturbances (i.e. brownouts or sags), non-authorized program, or system equipment modification or alteration. *Please note: This product is not for use with aquariums and all other water-related products. Use only indoors and in dry locations.

This warranty contains the sole warranty of Belkin Corporation, there are no other warranties, expressed or, except as required by law, implied, including the implied warranty or condition of quality, merchantability or fitness for a particular purpose, and such implied warranties, if any, are limited in duration to the term of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

In no event shall Belkin Corporation be liable for incidental, special, direct, indirect, consequential or multiple damages such as, but not limited to, lost business or profits arising out of the sale or use of any PureAV Battery Backup, even if advised of the possibility of such damages. This warranty gives you specific legal rights, and you may

Belkin Connected Equipment Warranty

also have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damage, so the above limitations may not apply to you.

This warranty is valid only for the original purchaser of the product. All damage claims against the product must be made within 15 days from the date of the Occurrence and must be accompanied by a receipt for the damaged equipment or the warranty is void. Warranty is valid in USA, Canada, Puerto Rico, and Bermuda. To file a claim against the Belkin Connected Equipment Warranty, you must take the following steps: Contact Belkin online at www.belkin.com and print our claim form or write to us at:

Belkin Corporation, 501 W. Walnut St., Compton CA 90220

Attn: Technical Support, or call (310) 898-1100, extension 2263, within 15 days of the Occurrence. Be prepared to provide the following information:

- a. The part number of the PureAV Battery Backup.
- b. The equipment that was connected to the PureAV Battery Backup at the time of the Occurrence.
- c. The equipment that was damaged during the Occurrence and the extent of the damage.
- d. The date of the Occurrence.
- e. Where you purchased the PureAV Battery Backup.
- f. When you purchased the PureAV Battery Backup.
- g. Copy of original receipt.
- h. Your Belkin Customer Service Representative will then instruct you on how to forward your equipment, receipt, PureAV Battery Backup in use during the "Occurrence" and how to proceed with your claim.

Please conveniently register your PureAV Battery Backup online on our website at www.belkin.com.

Belkin Corporation • 501 West Walnut Street • Compton • CA • 90220 • Tel: 310.898.1100 • Fax: 310.898.1111

Information

Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

SAFETY INFORMATION

CAUTION!

- Internal battery voltage is 12VDC.
- The unit is intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants).
- All batteries used are sealed lead batteries. Batteries must be recycled.

Recycling Information

Your PureAV Battery Backup contains a non-spillable sealed lead battery. On the battery, you will find the battery name. Please reference the chart below for recycling information.

Battery Name	Recycling Inside the USA	Recycling Outside the USA
BB Battery	(800) 278-8599	N/A
CSB Battery	(800) 738-7372	1 (817) 244-4415
VISION Battery	(973) 726-5323	N/A
RITAR Battery	(888) 841-5179	N/A

Please visit belkin.com for battery replacement information

